

Plan, evaluate, deploy, configure

Prepare infrastructure

Select tool - Migrate or rebuild

Imaging or provisioning - Select edition

365 cloud PCs?

MDT



Autopilot - Deployment Profiles

DVC registration -

Enrollment status - Naming template

Deployment - T/S

Remote mgmt - Configure remote mgmt

Plan + implement infrastructure

Create, mg, deploy, images

Monitor + T/S

User state migration

Windows admin center - WinRM

Remote Help

Bulk remote actions

BitLocker keys

RDP

# Readiness assessment

**Purpose: ID Issues**

- Min hardware drivers
- Applications
- Equal costs
- Smooth transition

**Win 10 GHz+ processor**

- 2GB 4 GB
- 16GB disk space
- 800x600 display
- DirectX 9
- Win 10+ graphics

**Win 11 TPM 2.0+ UEFI**

- 4 GB RAM
- 64 GB disk space
- DirectX 12
- Win 10+ PC Health Check

**Endpoint Analysis**

- Intune Config
- Mgr Reg
- Report reader needs
- Software or hardware
- Client diagnostics
- set to perform
- Data collection policy
- Configurable in Intune

**Application Config. Toolkit**

- Computer Admin
- Create Admin
- Set User Analyzer
- ID ways apps have trouble w/ UAC
- Fix app incompat
- Redacts illegal call
- Pretend to be earlier version of Windows

**Setup Analyzer**

- Test app setup routines

**Intune reports:**

- Win. feat. dic. readiness reports
- DVC spec info, reports on status
- Inform reg issues, app & drivers
- Compatibility, marks report
- Summary info
- Bp compatibility concerns

**MAP Toolkit (MS Assessment & Planning)**

- LAN-based
- Installed SQL Server Express
- Requires .NET FW 4.5
- Leverages WMI
- No need for client
- Inventory VMs & PCs
- Outputs Excel & Word reports

**Enabled in admin center**

- Reports → Win updates

# Deployment tools

**Interactive:**

- PC Health Check
- Win Update
- Win Installation Assistant
- Win DVD-ROM
- Win Media Center
- Win ISO

NOT FOCUS

Always use waves / oings

**Automated:**

- Trellis (a)
- WDS
- Config Mgr
- MDT
- Dynamic
- AutoPilot
- WCD (Windows Config Designer)

Starting w/ systems w/ Win

Tweaks installation

Light payloads

Boots

No full imags

**Image based:**

- Thick, thin hybrid
- Wipe contents
- Requires infrastructure
- Distro client

**Server running WDS**

- Contains images
- Client PXE boots
- Installs across network
- Multicasting

**Subscription auth:**

- Intune + Entra
- Entra reg, 16 from Ent App
- MS threat & sec. rev.
- CSP

**Upgrades to Win or Enterprise**

- Not associated w/ Intune
- Entra reg, 16 from Ent App
- MS threat & sec. rev.
- CSP

**DK ID uploaded to cloud**

- Customized OSE

**Creates prov. pk.**

- Config change on the fly
- No redeploy or reboot
- Files given to users on drive

**Customized report**

- Updates
- Certs
- Apps
- GUI settings
- Security settings
- Win 10 & 11
- More

# Provisioning packages

**WCD (Win Config Designer)**

- Creates OPIs
- Installs against running OS
- Existing WDM file

Steps:

- Win or adv mode
- Name
- Win edit
- Import pkg

Very clear in VMs

W-A works better than WPU

**Creating Win-11:**

- Custom Win settings
- Add feat. apps
- Connection profiles
- Certs
- Downgrade setup
- Upgrade Win edition

Apply on OOBE

5 steps on Win key

Apply runtime

Access work or share?

Add or remove pkg

Must be USB

Can also R disk

Apply file

Verifies in event

Log (event 10)

Verify in AWES

Add or remove pkg

**Games w/ WAFIX**

- Adv. prov.
- Runtime / connectivity profiles
- WLAN settings
- SSID
- Option to encrypt

# User profile migration

User state is user spec'd data + settings

Data may be included

Settings may be OS or app & file or registry based (HKU)

included in NTUSER.DAT

Apps go in AppData

- Local & LocalLow do not sync
- Running apps

W/ roaming profile, profile syncs between PCs from central location

# Windows Editions

# Upgrade & Mig Paths

**To implement new OS:**

- Migrate to new old software installed
- Upgrade manually apps & settings

**Migration:**

- Reduces icons & leftovers
- Separate process of user settings + data
- Left then back
- Time consuming
- Storage reqd
- Reinstall apps

Migrate from any version

**Upgrading:**

- Retains user profile, apps, settings (when possible)
- Saves migration step
- Can be rolled back
- Managed + scripted

**Inconsistencies:**

- ACL bits
- Win feature not
- Registry & file leftovers

**Not possible for 32→64, BIOS→UEFI, or non-MS encryption**

**Supported by 7, 8SP1, 8.1**

**Free upgrade still works**

**Paths:**

- 7 starter → Home, Pro, Edu
- 7 Home → " " " "
- 7 Pro → Pro, Edu, Ent
- 8 → 8.1, 8.1, 8.1
- 8.1 → 8.1, 8.1, 8.1
- 8.1 → 8.1, 8.1, 8.1
- 10 H → Ed / Pro, Ed
- 10 Pro → Ed, Pro, Ed
- 10 Ent → Ed

Feature updates considered in place

**Upgrades possible**

- Apps & settings migrate
- Does remain

**In place not gotten for 7, 8.1**

365 cloud PCs

THU JAN 9, 2025



THU JAN 9, 2025



THU JAN 9, 2025

Set up users, RBAC, compliance standards

Manage Identity

User auth on Win - RBAC

Register & Join Intune - Local Groups

LAPS

Implement compliance

Conditional Access - Monitor Compliance

TLS

THU JAN 9, 2025



THU JAN 9, 2025





SUN NOV 24, 2024

Intune lifecycle - Bulk enrollment - Restart, retire, wipe

Enrollment settings - Policy sets

---

Dvc conf. profiles - Monitor & T/S

Implement - Kiosk mode

Mobile profiles - MS Tunnel

---

Monitor devices - Az man

Intune - Eper analytics

Advanced analytics

Update - Policies

Planning - Android - Update rings

Monitoring & T/S

Onboard

---

Endpoint security - Sec baselines - Config policies - Review & report



THU JAN 9, 2025



THU JAN 9, 2025



THU JAN 9, 2025



THU JAN 9, 2025



THU JAN 9, 2025



SUN NOV 24, 2024

Deploy + Update - 365 app deployment - ODT or OCT

Intune - Admin center - GPO + Intune - App stores

Configure + Secure - Cont policies

Policies 4 mobile

Msg - CA









THU JAN 9, 2025



THU JAN 9, 2025



SUN NOV 24, 2024









